<center>**SECTION II—REMARKS**</center>

Applicants thank the Examiner for a thorough review, and respectfully request reconsideration of the above referenced patent application for the following reasons:

<u>Examiner Interview</u>

Applicants sincerely thank Examiner Luu Pham and Supervisory Examiner Moise for their participation in the telephone interview with Applicants on July 07, 2009. Applicants' representative, Spencer K. Hunter, who is a law clerk working under the discretion of Gregory D. Caldwell, the undersigned attorney of record for Applicants, conducted the interview in which the following issues were discussed:

- Applicants agreed to address several potential informalities and potential § 112 issues in the informal draft claims discussed during the interview. In particular, Applicants agreed to provide clarifying language with respect to the "mapped" term recited in the independent claims, and further provide clarifying language, such as "first" and "second" to delineate between the multiple instances of "transport protocol," "authentication protocol," and "virtual interface," which could present ambiguities in the interpretation of the claim.

- Examiners objected to the removal of the limitations discussing the generation of the "second virtual interface" on the grounds that its removal constituted a broadening of the claim and did not advance the case toward allowance. Applicants agreed to restore the limitation in an effort to seek expeditious allowance of the case.

- Applicants and the Examiner discussed the prior art of record in light of the informally presented draft claims, however, the Examiner took the position that the newly proposed limitations were insufficient to overcome the prior art of record, and thus, no agreement was reached with respect to the proposed draft claims.

- Applicants and the Examiner **did reach a tentative agreement** with respect to alternate subject matter and limitations raised during the interview. In particular, Applicants and the Examiner agreed that an independent claim which incorporates the present limitations of claim 49 as well as certain elements from paragraphs 41, 43, 74-76, 86 and Figure 15, element 1540, may be sufficient to overcome the prior art of record. These elements are discussed in more detail in the remarks below and correspond to the claim amendments presented herein.

Claims 71-92 rejected under 35 U.S.C. § 101

The Office Action rejected claims 71-92 under 35 U.S.C. § 101 as being directed toward "non-statutory subject matter."

In particular, the Office Action states that the claims which recite *"means for obtaining a description of a Web service,"* *"means for generating the Web service,"* *"means for generating virtual interface,"* and *"means for processing message traffic;"* in light of the specification and limitations in claim 59, the Office Action takes the position that the *"means for"* limitations are implemented in software, which it states is non-statutory subject matter.

Applicants respectfully submit that claims 71-92 are canceled herein, and thus, the rejection to the claims is rendered moot. Accordingly, Applicants respectfully request the Examiner to withdraw the rejection to claims 71-92.

Claims 71-82 rejected under 35 U.S.C. § 112, second paragraph

The Office Action rejected claims 71-82 rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as the invention.

In particular, the Office Action states that the "means for" language is indefinite because there is no corresponding structure to the "means for" limitations disclosed in the specification.

Applicants respectfully submit that claims 71-82 are canceled herein, and thus, the rejection to the claims is rendered moot. Accordingly, Applicants respectfully request the Examiner to withdraw the rejection to claims 71-82.
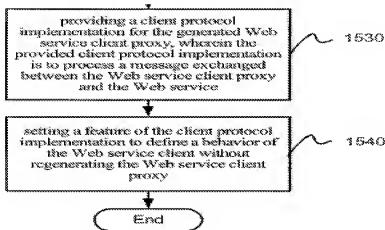

Claims 49-92 rejected under 35 U.S.C. § 103(a)

The Office Action rejected claims 49-92 under 35 U.S.C. § 103(a) as being unpatentable over Chappell et al., ("Chappell") in view of Sun Microsystems, "Building Web Service – Sun™ ONE Studio 5 Programming Series," ("Sun") published by Sun Microsystems, Inc., in June 2003. Applicants respectfully disagree.

As noted above in the summary of the Examiner's Interview, Applicants and the Examiner tentatively agreed on subject matter that, if incorporated into independent claim 49, would place claim 49 in condition for allowance over the prior art of record, subject to further

search by the Examiner. Applicants agreed to draft revised claims incorporating the subject

matter discussed.

In particular, Element 1540 of Figure 15 was discussed in some detail, as it teaches

subject matter which is not disclosed by the prior art of record, as depicted below:

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        ┌─────────────────────────────────┐
        │  providing a client protocol    │
        │  implementation for the generated Web  ─── 1530
        │  service client proxy, wherein the  │
        │  provided client protocol implementation  │
        │  is to process a message exchanged  │
        │  between the Web service client proxy  │
        │      and the Web service        │
        └─────────────────────────────────┘
                        │
                        ▼
        ┌─────────────────────────────────┐
        │  setting a feature of the client protocol  │
        │  implementation to define a behavior of  ─── 1540
        │   the Web service client without  │
        │  regenerating the Web service client  │
        │          proxy                  │
        └─────────────────────────────────┘
                        │
                        ▼
              (      End      )
```

The ability to "set[] a feature of the client protocol implementation ... **without

regenerating the Web service client proxy**," as set forth at element 1540 of Figure 15

(reproduced above) is discussed in the specification as originally filed, for example, at

paragraphs 41 and 74. Paragraph 41 teaches that settings at a Service Endpoint Interface or

"SEI," (e.g., a "Web service client proxy") may be specified by a Web service client through a

"**logical port**." Paragraph 74 teaches that features specified by a Web service client, such as an

"authentication protocol," may be implemented into a Web service client proxy "**without

regenerating**" the Web service client proxy. For example:

> [00041] In an embodiment, **logical ports 720 and 730**
> allow **a user to define** one or more **configurations** of SEI 740.
> User specified configurations of SEI 740 provide a client
> application with an increased set of features from a Web service
> and easier access to those features. In an embodiment, logical ports
> 720 and 730 **may be configured** without regenerating SEI 740.
> ... In an embodiment**, logical ports 720 and 730 allow a computing
> device to set, for example, an HTTP proxy, user **authentication
> information,** and/or protocol configuration. In an alternative

embodiment, logical ports 720 and 730 provide the computing device with more, fewer, and/or different configuration settings.

* * *

[00074] Referring again to FIG. 15, a feature of the client protocol implementation is set to define a behavior of the Web service client **without regenerating the client proxy** at 1540. In an embodiment, features of a client protocol implementation may be set via a graphical user interface. For example, a user may select an icon representing an **authentication protocol implementation**. The user may then select from a number of authentication types using, for example, a pointing device. The feature of the authentication protocol implementation may be set when, for example, the system receives an indication that the user has selected the authentication type with the pointing device. In an alternative embodiment, a feature may be set via a command line interface. In such an embodiment, setting the feature may consist of receiving an indication that the user has entered a text-base command that sets the feature.

Thus, pursuant to Applicants' and Examiner's tentative agreement that the above noted subject matter is not disclosed in the prior art of record, Applicants have amended independent claim 49 to recite limitations that correspond to the above subject matter as follows:

... wherein the first Web service client comprises **a Web service client _authentication extension_ having a user selectable authentication protocol therein for _specifying the authentication protocol to be implemented_** by a Web service client proxy between the virtual interface and the first Web service client;

receiving and implementing the user specified authentication protocol _without regenerating_ the Web service client proxy, wherein the user specified authentication protocol is received from the first Web service client **via a _logical port_** between the first Web service client and the Web service client proxy;

processing message traffic exchanged between the Web service client proxy and the first Web service client via the first virtual interface in accordance with the first transport protocol and the user specified authentication protocol implemented by the Web service client proxy;

Applicants respectfully submit that Chappell and Sun, whether considered individually or in combination, are silent with respect to using "a **logical port** between the first Web service

client and the Web service client proxy" to receive a "user selectable authentication protocol," and "implementing the user specified authentication protocol **without regenerating** the Web service client proxy," as Applicants teach and recite in independent claim 49 as amended herein.

Because claim 49 recites limitations which, as discussed during the Examiner's interview, are not disclosed by Chappell and Sun, Applicants respectfully submit that the claim is patentable over the prior art of record and in condition for allowance. Applicants further submit that new independent claim 93, which recite similar limitations, as well as those claims which depend upon independent claims 49 and 93 are patentable over the prior art of record and in condition for allowance for at least the same reasons.

Accordingly, Applicants respectfully request the Examiner to withdraw the rejection to claims 49-92 and allow new claims 93-99 presented herein.

New claims 93-99

Applicants respectfully submit that new claims 93-99 do not add new subject matter as the limitations may be found in the specification as originally filed, in the Figures accompanying the specification, and in the original set of claims filed with the specification. Applicants further submit that new claims 93-99 are patentable over the prior art of record for at least the same reasons as discussed above with regard to independent claim 49 rejected under 35 U.S.C. § 103.

Accordingly, Applicants respectfully request the Examiner to allow new claims 93-99 as presented herein.

<center>**CONCLUSION**</center>

Given the above amendments and accompanying remarks, all claims pending in the application are in condition for allowance. If the undersigned attorney has overlooked subject matter in any of the cited references that is relevant to allowance of the claims, the Examiner is requested to specifically point out where such subject matter may be found. Further, if there are any informalities or questions that can be addressed via telephone, the Examiner is encouraged to contact the undersigned attorney at (503) 439-8778.

Charge Deposit Account

Please charge our Deposit Account No. 02-2666 for any additional fee(s) that may be due in this matter, and please credit the same deposit account for any overpayment.

Respectfully submitted,

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